

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/021075 A1

(51) International Patent Classification⁷: A61M 16/06,
A62B 18/02

(21) International Application Number:
PCT/NZ2004/000194

(22) International Filing Date: 20 August 2004 (20.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
528029 3 September 2003 (03.09.2003) NZ

(71) Applicant (for all designated States except US): FISHER & PAYKEL HEALTHCARE LIMITED [NZ/NZ]; 15 Maurice Paykel Place, East Tamaki, Auckland, 1706 (NZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MCAULEY, Alastair, Edwin [NZ/NZ]; 58A Ngapuhi Road, Remuera,

Auckland, 1005 (NZ). NIGHTINGALE, Christopher, Earl [NZ/GB]; 18 Settlers Court, 17 Newport Avenue, Poplar, London England E142DG (GB). SHOTBOLT, Aidan, Mark [NZ/NZ]; 1/2 Dalwhinnie Parade, Highlands Park, Auckland, 1705 (NZ). MILIVOJEVIC, Ivan [NZ/NZ]; 221B Lake Road, Takapuna, Auckland, 1310 (NZ).

(74) Agents: ADAMS, Matthew, D et al.; A J Park, 6th Floor Huddart Parker Building, PO Box 949, Wellington, 6015 (NZ).

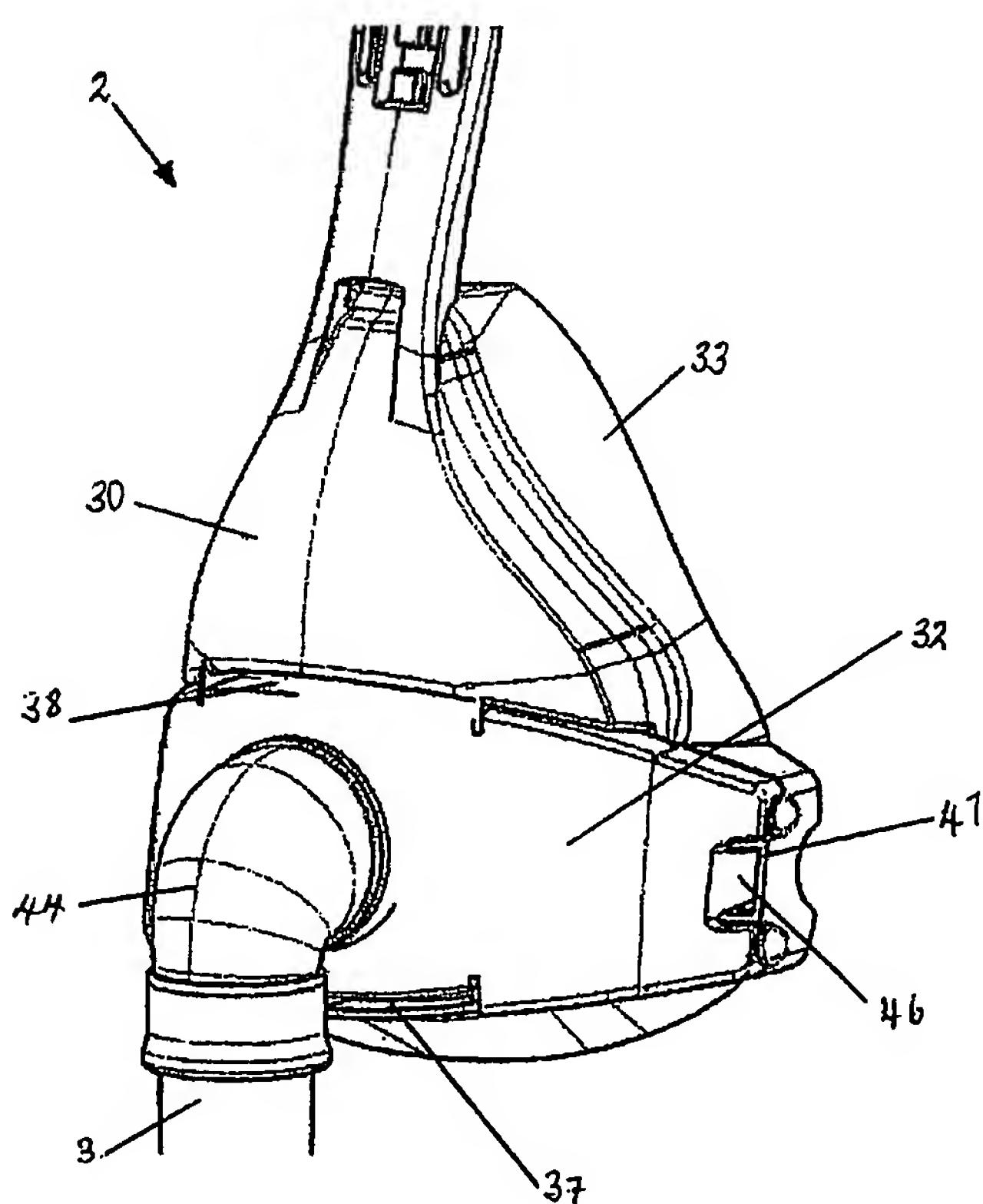
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: A MASK



WO 2005/021075 A1



(57) Abstract: A mask (30) is disclosed that has a gas outlet (37) which is quiet and provides for a diffused outlet flow of gases. The outlet (37) is preferably a slot formed between a hollow body and cover over said hollow body. The mask also preferably extends and seals under a user's chin in use.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.